

WHAT IS CLAIMED IS:

1. A method of changing a client program by a computer, comprising the steps of:

transmitting an access request to a server program and, when an error occurs, analyzing a cause of the error;

detecting a change location of an interface of said server program when the error is caused by change of said interface of said server program;

deciding a change portion and a changing scheme of said client program related to said change of said interface to change said client program; and

replacing the client program being currently operated by said changed client program.

2. A client program changing method according to Claim 1, wherein

said analysis of the cause of the error is made by analyzing contents of a message received from said server program when the error occurs.

3. A client program changing method according to Claim 1, wherein

said interface of said server program is defined by a WSDL file, and

said detection of said change location of said interface is made by comparing an unrevised WSDL file with a revised WSDL file.

4. A client program changing method according to Claim 3, wherein

said decision of said change portion and said changing scheme of said client program is made on the basis of a comparison result of said WSDL files.

5. A client program changing method according to Claim 3, wherein

the step of changing said client program includes the steps of:

taking said revised WSDL file in source codes of said client program;

correcting source code portion of said client program related to said detected change portion of said interface; and

using said corrected source code portion to prepare an executable client program.

6. A method of changing an interface between a client and a server in a client/server system, comprising the steps of:

changing said interface due to a revision of a server program in a server system;

registering said changed interface in a location accessible from a client system;

causing a computer in the client system to perform the following operation including the steps of:

transmitting an access request to the server program and, when an error occurs, analyzing a cause of the error;

deciding a change location of said interface of the server program when the error is caused by

change of said interface of the server program;

deciding a change portion and a changing scheme of a client program related to the change of said interface to change said client program; and

replacing the client program being currently operated by said changed client program.

7. A client program management apparatus, comprising:

error detection means for, when a client program transmits an access request to a server program and an error occurs, analyzing a cause of the error in response to a notification from the client program;

error occurrence portion detection means responsive to a notification from said error detection means for detecting a change location of an interface of said server program when the error is caused by change of said interface of said server program;

changed client program producing means responsive to a notification from said error occurrence portion detection means for deciding a change portion and a changing scheme of said client program related to the change of said interface to produce a changed client program; and

client program execution means responsive to a notification from said changed client program producing means for replacing the client program being currently operated by said changed client program.

8. A client program management program group,

comprising:

an error detection program for, when a client program transmits an access request to a server program and an error occurs, analyzing a cause of the error in response to a notification from the client program;

an error occurrence portion detection program responsive to a notification from said error detection program for detecting a change location of an interface of said server program when the error is caused by change of said interface of said server program;

a changed client program producing program responsive to a notification from said error occurrence portion detection program for deciding a change portion and a changing scheme of said client program related to the change of said interface to produce a changed client program; and

a client program execution program responsive to a notification from said changed client program producing program for replacing the client program being currently operated by said changed client program.

9. A client/server system comprising:

a server computer including a server program;

a registry for storing information related to an interface of said server program; and

a client computer including:

a client program;

an error detection program for, when said

client program transmits an access request to said server program and an error occurs, analyzing a cause of the error in response to a notification from said client program;

an error occurrence portion detection program responsive to a notification from said error detection program for accessing to said registry to detect a change location of an interface of said server program when the error is caused by change of said interface of said server program;

a changed client program producing program responsive to a notification from said error occurrence portion detection program for deciding a change portion and a changing scheme of said client program related to the change of said interface to produce a changed client program; and

a client program execution program responsive to a notification from said changed client program producing program for replacing the client program being currently operated by said changed client program.

10. A client/server system according to Claim 9, wherein

said interface of said server program is defined by a WSDL file, and

said registry is a UDDI registry.